Title (en)

SYSTEMS AND METHODS FOR MITIGATING SELF-INDUCED FAR-END CROSSTALK

Title (de)

SYSTEME UND VERFAHREN ZUR ABSCHWÄCHUNG VON SELBSTINDUZIERTEM FERNPUNKTÜBERSPRECHEN

Title (fr)

SYSTÈMES ET PROCÉDÉS SERVANT À ATTÉNUER LA TÉLÉDIAPHONIE AUTO-INDUITE

Publication

EP 2401834 A4 20150415 (EN)

Application

EP 10746886 A 20100226

Priority

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- US 15638109 P 20090227

Abstract (en)

[origin: WO2010099399A1] Systems and methods for partial self-FEXT (far-end crosstalk) are described One method, among others, comprises determining one or more instantaneous characteristics of an input signal, wherein the one or more instantaneous characteristics comprise one or more of amplitude of the input signal and an energy level of the input signal The method further comprises selecting one or more disturbers to cancel according to the one or more instantaneous characteristics, wherein selecting one or more disturbers is performed on a per-DMT (discrete multi-tone) symbol basis

IPC 8 full level

H04B 3/32 (2006.01); **H04J 1/12** (2006.01); **H04L 5/12** (2006.01); **H04L 25/03** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [X] EP 1414164 A1 20040428 - CIT ALCATEL [FR]
- [X] EP 1998461 A1 20081203 - NOKIA SIEMENS NETWORKS OY [FI]
- [XAI] CENDRILLON R ET AL: "Partial crosstalk cancellation for upstream VDSL", EURASIP JOURNAL OF APPLIED SIGNAL PROCESSING, HINDAWI PUBLISHING CO., CUYAHOGA FALLS, OH, US, vol. 2004, no. 10, 15 August 2004 (2004-08-15), pages 1520 - 1535, XP002456935, ISSN: 1110-8657, DOI: 10.1155/S1110865704309273
- See references of WO 2010099399A1

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DOCDB simple family (publication)

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